Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

KMTH/Cubes/2628/2021-22 Date 19-11-2021

TEST RESULTS ON CONCRETE CUBES

ient & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
gency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
roject & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division
er No	EE(Project)Ynk Zone/WO/169/2020-21
lo	001-20-000014
mple Received	18-11-2021
s of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Concrete	M20

sive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
	For Statue Footing	11-11-2021	18-11-2021	7 Days	22500.00	8326	398.6	17.72
		11-11-2021	18-11-2021		22500.00	8246	412.2	18.32
		11-11-2021	18-11-2021		22500.00	8244	408.4	18.15

n=10kg/Sq.cm(Approx) * As furnished by the client

linimum of three cube specimens shall be supplied fo testing as per IS:516-1959

taka Material Test House Pvt Ltd.,

& Checked by

Approved by
Narayanswamy.B

.....End of Report.....

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3)Any correction in the report will be invalid.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

& Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

MTH/Cubes/2629/2021-22		Date	10-12-2021
TEST RESULTS ON CONCRETE CUBES			
ıt & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92		
ıcy & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64		
ɔnsultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
ect & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division		
Vo	EE(Project)Ynk Zone/WO/169/2020-21		
	001-20-000014		
ıle Received	09-12-2021		
ɔf Specimens in mm	150.00 x 150.00 x 150.00		
	150.00 x 150.00 x 150.00		
	150.00 x 150.00 x 150.00		
ıcrete	M20		

'e Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
For Statue Footing	11-11-2021	09-12-2021	28 Days	22500.00	8162	598.6	26.60
	11-11-2021	09-12-2021		22500.00	8145	599.8	26.66
	11-11-2021	09-12-2021		22500.00	8124	602.4	26.77

10kg/Sq.cm(Approx) * As furnished by the client

imum of three cube specimens shall be supplied fo testing as per IS:516-1959

ka Material Test House Pvt Ltd.,

Checked by AE

Approved by
Narayanswamy.B

.....End of Report.....

Karnataka Material Test House Pvt. Ltd. Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
41 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

KMTH/Cubes/2630/2021-22	Date	25-11-2021

TEST RESULTS ON CONCRETE CUBES

lient & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
gency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
roject & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone
er No	EE(Project)Ynk Zone/WO/169/2020-21
lo	001-20-000014
mple Received	24-11-2021
s of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Concrete	M20

sive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied

	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
	For Statue	17-11-2021	24-11-2021	7 Days	22500.00	8324	406.2	18.05
		17-11-2021	24-11-2021		22500.00	8268	402.4	17.88
		17-11-2021	24-11-2021		22500.00	8248	408.4	18.15

n=10kg/Sq.cm(Approx) * As furnished by the client

linimum of three cube specimens shall be supplied fo testing as per IS:516-1959

taka Material Test House Pvt Ltd.,

& Checked by

Approved by
Narayanswamy.B

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Assistant Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

& Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

t No	KMTH/Cubes/2631/2021-22	Date	16-12-2021

TEST RESULTS ON CONCRETE CUBES

of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
arty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division
Order No	EE(Project)Ynk Zone/WO/169/2020-21
de No	001-20-000014
Sample Received	15-12-2021
sions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
of Concrete	M20

ressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied

o	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
	For Statue	17-11-2021	15-12-2021	28 Days	22500.00	8248	611.0	27.16
		17-11-2021	15-12-2021		22500.00	8266	609.4	27.08
		17-11-2021	15-12-2021		22500.00	8324	612.4	27.22

mm=10kg/Sq.cm(Approx) * As furnished by the client

Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

nataka Material Test House Pvt Ltd.,

ed & Checked by
j K S

AE

Approved by
Narayanswamy.B

.....End of Report.....

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

f & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

t No	KMTH/Cubes/2631/2021-22	Date	04-12-2021

TEST RESULTS ON CONCRETE CUBES

of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone
Order No	EE(Project)Ynk Zone/WO/169/2020-21
ode No	001-20-000014
f Sample Received	03-12-2021
nsions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
of Concrete	M20

pressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied

No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	For Statue	26-11-2021	03-12-2021	7 Days	22500.00	8228	418.6	18.60
2		26-11-2021	03-12-2021		22500.00	8266	411.6	18.29
3		26-11-2021	03-12-2021		22500.00	8244	416.2	18.50

a.mm=10kg/Sq.cm(Approx) * As furnished by the client

A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

arnataka Material Test House Pvt Ltd.,

ared & Checked by
raj K S

Approved by
Narayanswamy.B

.....End of Report.....

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

t No KMTH/Cubes/2632/2021-22 Date 24-12-2021

TEST RESULTS ON CONCRETE CUBES

of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division
Order No	EE(Project)Ynk Zone/WO/169/2020-21
ode No	001-20-000014
f Sample Received	24-12-2021
nsions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
of Concrete	M20

pressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied

No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	For Statue	26-11-2021	24-12-2021	28 Days	22500.00	8240	621.5	27.62
2		26-11-2021	24-12-2021		22500.00	8255	618.4	27.48
3		26-11-2021	24-12-2021		22500.00	8216	620.8	27.59

q.mm=10kg/Sq.cm(Approx) * As furnished by the client

; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

arnataka Material Test House Pvt Ltd.,

ared & Checked by
raj K S

Approved by
Narayanswamy.B

.....End of Report.....

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Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
30- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Date: 02-02-2022

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

t No	KMTH/CCKerbs/2634/2021-22	Date	14-07-2021

TEST RESULTS ON CEMENT CONCRETE KERBS SAMPLES

of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division 3.Development of Parks comes
Order No	EE(Project)Ynk Zone/WO/169/2020-21
ode No	001-20-000014
ber of Specimens*	3 No`s Cement Concrete Kerbs
: Shape of Sample	Kerbs Length -450mm, Height-400mm,Width-(top-114+bottom-165)mm
of Testing	13-07-2021

pressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
S-01	95.00	190.00	2.00	7085	140.8	19.87	1.00	19.87	24.84	25.1	2.6680	0.00135	1982.05
S-02	95.00	190.00	2.00	7085	142.6	20.13	1.00	20.13	25.16		2.7240	0.00135	2023.66
S-03	95.00	190.00	2.00	7085	143.8	20.30	1.00	20.30	25.37		2.7460	0.00135	2040.00

rnished by the Client

; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

arnataka Material Test House Pvt Ltd.,

ared & Checked by
raj K S

Approved by
Narayanswamy.B

.....End of Report.....

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Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

rt No	KMTH/CCKerbs/2635/2021-22	Date	23-09-2021

TEST RESULTS ON CEMENT CONCRETE KERBS SAMPLES

e of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
e of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
d Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
e of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division 3.Development of Parks comes
k Order No	EE(Project)Ynk Zone/WO/169/2020-21
Code No	001-20-000014
nber of Specimens*	3 No`s Cement Concrete Kerbs
& Shape of Sample	Kerbs Length -450mm, Height-400mm,Width-(top-114+bottom-165)mm
e of Testing	22-09-2021

mpressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

lo	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
	S-01	95.00	190.00	2.00	7085	142.5	20.11	1.00	20.11	25.14	25.4	2.7160	0.00135	2017.71
	S-02	95.00	190.00	2.00	7085	146.2	20.64	1.00	20.64	25.80		2.6980	0.00135	2004.34
	S-03	95.00	190.00	2.00	7085	142.4	20.10	1.00	20.10	25.12		2.7260	0.00135	2025.14

furnished by the Client

te; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

Karnataka Material Test House Pvt Ltd.,

pared & Checked by
garaj K S

Approved by
Narayanswamy.B

.....End of Report.....

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3)Any correction in the report will be invalid.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

rt No	KMTH/CCKerbs/2636/2021-22	Date	28-12-2021
	TEST RESULTS ON CEMENT CONCRETE KERBS SAMPLES		
e of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92		
e of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64		
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
e of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division 3.Development of Parks comes		
k Order No	EE(Project)Ynk Zone/WO/169/2020-21		
Code No	001-20-000014		
ber of Specimens*	3 No`s Cement Concrete Kerbs		
& Shape of Sample	Kerbs Length -450mm, Height-400mm,Width-(top-114+bottom-165)mm		
of Testing	27-12-2021		

pressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

lo	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
	S-01	95.00	190.00	2.00	7085	146.5	20.68	1.00	20.68	25.85	25.8	2.6780	0.00135	1989.48
	S-02	95.00	190.00	2.00	7085	147.2	20.78	1.00	20.78	25.97		2.7050	0.00135	2009.54
	S-03	95.00	190.00	2.00	7085	145.8	20.58	1.00	20.58	25.72		2.7100	0.00135	2013.26

urnished by the Client

e; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

Karnataka Material Test House Pvt Ltd.,

pared & Checked by
garaj K S

DE

Approved by
Narayanswamy.B

.....End of Report.....

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

o	KMTH/GRANTIC TILESK/2640/2021-22	Date	29-12-2021

TEST RESULTS ON GRANITE TILES SAMPLES

Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
rty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
f Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division 3.Development of Parks comes under
rder No	EE(Project)Ynk Zone/WO/169/2020-21
le No	001-20-000014
r of Specimens*	3 No`s GRANITETILE
Testing	23-12-2021
al Specification	IS : 1237 – 1980 RA-2001

ABSORPTION

lo	*Identification of members	Dimensions in mm			Weight of Dry sample in gm	Weight of Wet sample in gm	Water Absorption by Individual(%)	Average	Stipulation as per IS : 1237 - 1980
		L	B	H					
	Sample-01	250.0	250.0	25.4	5686	5896	3.69	3.65	Water absorption shall not exceed 10 %
	Sample-02	250.0	250.0	25.4	5986	6156	2.84		
	Sample-03	250.0	250.0	25.4	5462	5704	4.43		

RANSVERSE STRENGTH TEST

No	*Identification of members	Dimensions in mm			Wet transverse Strength N/Sq mm		Stipulation as per IS : 1237 - 1980
		L	B	H	Indiviusal	Average	
1	Sample-01	250.0	250.0	25.4	5.62	5.21	average wet transverse strength should not be less than 3N/mm2
2	Sample-02	250.0	250.0	25.4	4.86		
3	Sample-03	250.0	250.0	25.4	5.16		

SION RESISTANCE TEST:

No	*Identification of members	Dimensions in mm			Wear on Abrasion		Stipulation as per IS : 1237 - 1980
		L	B	H	Indiviusal	Average	
1	Sample-01	250.0	250.0	25.4	2.78	2.77	1. Wear on individual specimen should not exceed 4.0 mm, 2. Average wear should not exceed 3.5 mm
2	Sample-02	250.0	250.0	25.4	2.68		
3	Sample-03	250.0	250.0	25.4	2.84		

*As furnished by the client

For Karnataka Material Test House Pvt Ltd.,

Checked & Prepared by
Nagaraj K.S

Approved by
Narayanswamy.B

Asst. Executive Engineer
Project Division
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

rt No	KMTH/WMM/1471/2021-22	Date	30-12-2021

TEST REPORT ON WET MIX MACADAM (WMM)

e of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
e of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
d Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ne of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone
rk Order No	EE(Project)Ynk Zone/WO/169/2020-21
Code No	001-20-000014
e of Testing	29-12-2021
hnical Referance	MORTH Specifications

M MATERIAL **10000**

Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	312.2	312.2	3.12	96.88	95-100
22.4	2546.4	2858.6	28.59	71.41	60-80
11.2	2546.2	5404.8	54.05	45.95	40-60
4.75	1325.8	6730.6	67.31	32.69	25-40
2.36	1242	7972.6	79.73	20.27	15-30
0.6	768.8	8741.4	87.41	12.59	8--22
0.75	765.4	9506.8	95.07	4.93	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.76	Should not be more than 2%
2	Flakiness & Elongation Index	26.9%	Shall not be more than 40%
3	Aggregate Crushing Value	20.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

s furnished by the client

te : The above tested sample satisfies the requirement of IS:383-2016

r Karnataka Material Test House Pvt ltd.,

epared & Checked by
agaraj K S

Approved by
Narayanswamy.B

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Soil Investigation, Concrete and NDT Testing, Rock Survey, & Project management Consultancy

CIN No: U74140KA2021PTC150531 GST No: 29AACCK8882K2ZD Mob No: 9448313838

No.	KMTH/REPORT/2022-23/0	Date	02-01-2023
	TEST REPORT ON WET MIX MACADAM (WMM)		
To, Client & Address	Executive Engineer, Bruhat Bengaluru Mahanagara Palike, Project Division, Yelahanka Zone, Nh-07 Road, Bangalore-92		
Work & Address	Sri. Shankaranda T K, (M/S MESPL Infra projects pvt Ltd) No-92, Kempaiah Building, Kodathipura, Singanayakanahalli Post, Bangalore-92		
Name of Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bangalore-560094		
Work & Address	Package 3.2: a Construction of Kempegowda Statue at Yelahanka Main Vishwanadha in Kempegowda Ward No.23 of Yelahanka sub division-2, Providing and fixing stone benches to the parks in Kempegowda ward No.23 of Yelahanka sub division Bruhathbengaluru Mahanagara Palike, Zone No.07, Ward No.23,		
Order No	KMTH/WMM/0018		
Date No	02-01-2023		
Test Req.	MORTH Specifications		
Work Reference			
Date Sample Received	02-01-2023		
Date of Testing	02-01-2023		

Sieve Size	Wt. retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0.00	0.00	100.00	100
45	268.6	268.6	2.68	97.32	95-100
26.5	3164.8	3433.4	34.33	65.67	60-80
22.4	2433.6	5867.0	58.67	41.33	40-60
11.2	1971.5	7838.5	78.38	21.62	20-40
5.6	1004.6	8843.1	88.42	11.58	10-30
2.36	1001.4	9844	98.44	1.56	0-10
0.75	156.2	9843.2	98.42	1.58	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.87%	Should not be more than 2%
2	Flakiness & Elongation Index	25.8%	Shall not be more than 40%
3	Aggregate Crushing Value	18.5%	Shall not be more than 30%
4	Plasticity Index	NP	Shall not more than 6

Remarks by the client

1. The above tested sample satisfies the requirement of IS:383-2016

Karnataka Material Test House Pvt ltd.,

Prepared & Checked by

Verified By

Authorised By

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

	KMTH/PAVERBLOCK/2637/2021-22	Date	06-01-2022
	TEST RESULTS ON PAVER BLOCKS SAMPLES		
Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92		
Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64		
ly Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
roject & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division 3.Development of Parks comes under		
der No	EE(Project)Ynk Zone/WO/169/2020-21		
No	001-20-000014		
/ Specimens*	S No`s Paver Bl;ock		
esting	05-01-2022		

essive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

SORPTION

*Identification of members	Dimensions in mm			Weight of Dry sample in gm	Weight of Wet sample in gm	Water Absorption by Individual(%)	Average Water Absorption
	L	B	H				
Sample-01	270.0	200.0	60.0	7690	7808	1.53	1.73
Sample-02	220.0	200.0	60.0	6454	6548	1.46	
Sample-03	200.0	170.0	60.0	4642	4712	1.51	
Sample-04	200.0	120.0	60.0	3340	3404	1.92	
Sample-05	200.0	100.0	60.0	3682	3764	2.23	

VE STRENGTH

*Identification of members	Dimensions in mm			Nominal Area (mm2)	Weight of sample in gm	Failure Load in KN	Compressive Strength- In N/mm2-(L/A)	Compressive Strength x (Correction Factor)1.18	Average Compressive Strength-N/mm2
	L	B	H						
Sample-01	270.0	200.0	60.0	54000.00	7690	1896.50	35.12	41.44	41.44
Sample-02	220.0	200.0	60.0	44000.00	6454	1815.50	41.26	48.69	48.69
Sample-03	200.0	170.0	60.0	34000.00	4642	1262.30	37.13	43.81	43.81
Sample-04	200.0	120.0	60.0	24000.00	3340	1013.70	42.24	49.84	49.84
Sample-05	200.0	100.0	60.0	20000.00	3682	719.00	35.95	42.42	42.42

Individual paver blocks strength shall not be less than 85% of the specified strength as per IS-15658-2006 clause 6.2.5 page 5

**As furnished by the client*

For Karnataka Material Test House Pvt Ltd.,

Checked & Prepared by
Nagaraj K S

AE

Approved by
Narayanswamy.B

.....End of Report.....

Assistant Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994G1ZI PAN No: AACCK4994G

KMTH/PAVERBLOCK/2615/2021-22

TEST RESULTS ON PAVER BLOCKS SAMPLES

Client & Address	Executive Engineer Brihat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh 07 Road Bangalore 63	Date	04.01.2022
Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No 60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore 64		
Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru 560094		
Name & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division 3.Development of Parks comes under EE(Project)Ynk Zone/WO/168/2020-21		
Ref. No	KMT-20-0000314		
No. of Specimens	5No's Paver Block		
Testing	08.01.2022		

Paver Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

WATER ABSORPTION

*Identification of members	Dimensions in mm L	B	H	Weight of Dry sample in gm	Weight of Wet sample in gm	Water Absorption by individual(%)	Average Water Absorption
Sample-01	270.0	200.0	60.0	7862	7808	-0.69	101.04
Sample-02	220.0	200.0	60.0	7546	6548	-13.24	
Sample-03	200.0	170.0	60.0	684	4712	588.89	
Sample-04	200.0	120.0	60.0	4865	3404	-30.03	
Sample-05	200.0	100.0	60.0	6245	3764	-39.73	

COMPRESSIVE STRENGTH

*Identification of members	Dimensions in mm L	B	H	Nominal Area (mm2)	Weight of sample in gm	Failure Load in KN	Compressive Strength in N/mm2=KN/A	Compressive Strength x (Correction Factor)1.38	Average Compressive Strength-N/mm2
Sample-01	270.0	200.0	60.0	54000.00	7690	1896.50	35.12	41.44	41.44
Sample-02	220.0	200.0	60.0	44000.00	6454	1815.50	41.26	48.69	48.69
Sample-03	200.0	170.0	60.0	34000.00	4642	1262.30	37.13	43.81	43.81
Sample-04	200.0	120.0	60.0	24000.00	3340	1013.70	42.24	49.84	49.84
Sample-05	200.0	100.0	60.0	20000.00	3682	719.00	35.95	42.42	42.42

Individual paver blocks strength shall not be less than 85% of the specified strength as per IS-15658-2006 clause 6.2.5 page 5

**As furnished by the client*

For Karnataka Material Test House Pvt Ltd.,

Checked & Prepared by
Nagaraj K S

Approved by
Narayanaswamy.B

.....End of Report.....

Asst. Executive Engineer
Yelahanka Zone
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

No	KMTH/GRANTIC TILESK/2639/2021-22	Date	29-12-2021

TEST RESULTS ON GRANITE TILES SAMPLES

Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
By Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division 3.Development of Parks comes under EE(Project)Ynk Zone/WO/169/2020-21
der No	001-20-000014
No of Specimens*	3 No`s GRANITETILE
Testing	23-12-2021
Specification	IS : 1237 – 1980 RA-2001

BSORPTION

*Identification of members	Dimensions in mm			Weight of Dry sample in gm	Weight of Wet sample in gm	Water Absorption by Individual(%)	Average	Stipulation as per IS : 1237 - 1980
	L	B	H					
Sample-01	250.0	250.0	25.4	5690	5896	3.62	2.95	Water absorption shall not exceed 10 %
Sample-02	250.0	250.0	25.4	6454	6596	2.20		
Sample-03	250.0	250.0	25.4	4642	4782	3.02		

SVERSE STRENGTH TEST

*Identification of members	Dimensions in mm			Wet transverse Strength N/Sq mm		Stipulation as per IS : 1237 - 1980
	L	B	H	Indiviusal	Average	
Sample-01	250.0	250.0	25.4	4.58	4.86	average wet transverse strength should not be less than 3N/mm2
Sample-02	250.0	250.0	25.4	4.56		
Sample-03	250.0	250.0	25.4	5.45		

RESISTANCE TEST:

*Identification of members	Dimensions in mm			Wear on Abrasion		Stipulation as per IS : 1237 - 1980
	L	B	H	Indiviusal	Average	
Sample-01	250.0	250.0	25.4	2.86	2.77	1. Wear on individual specimen should not exceed 4.0 mm, 2. Average wear should not exceed 3.5 mm
Sample-02	250.0	250.0	25.4	2.54		
Sample-03	250.0	250.0	25.4	2.91		

*As furnished by the client

For Karnataka Material Test House Pvt Ltd.,

Checked & Prepared by
Nagaraj K S

Approved by
Narayanswamy.B

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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